

ABSTRACT OF THE DISCLOSURE

A luminance level compensating apparatus passes only the luminance signal of a pixel in a first detection range in the vertical direction of an image indicated by an input luminance signal, detects and stores a first frequency for each luminance level of the passed luminance signal for each predetermined period, passes only a luminance signal of a pixel in a second detection range including the first detection range in the vertical direction of the image, detects and stores a second frequency for each luminance level of the passed luminance signal for each predetermined period; generates a mixed frequency data based on the first and second frequencies stored.